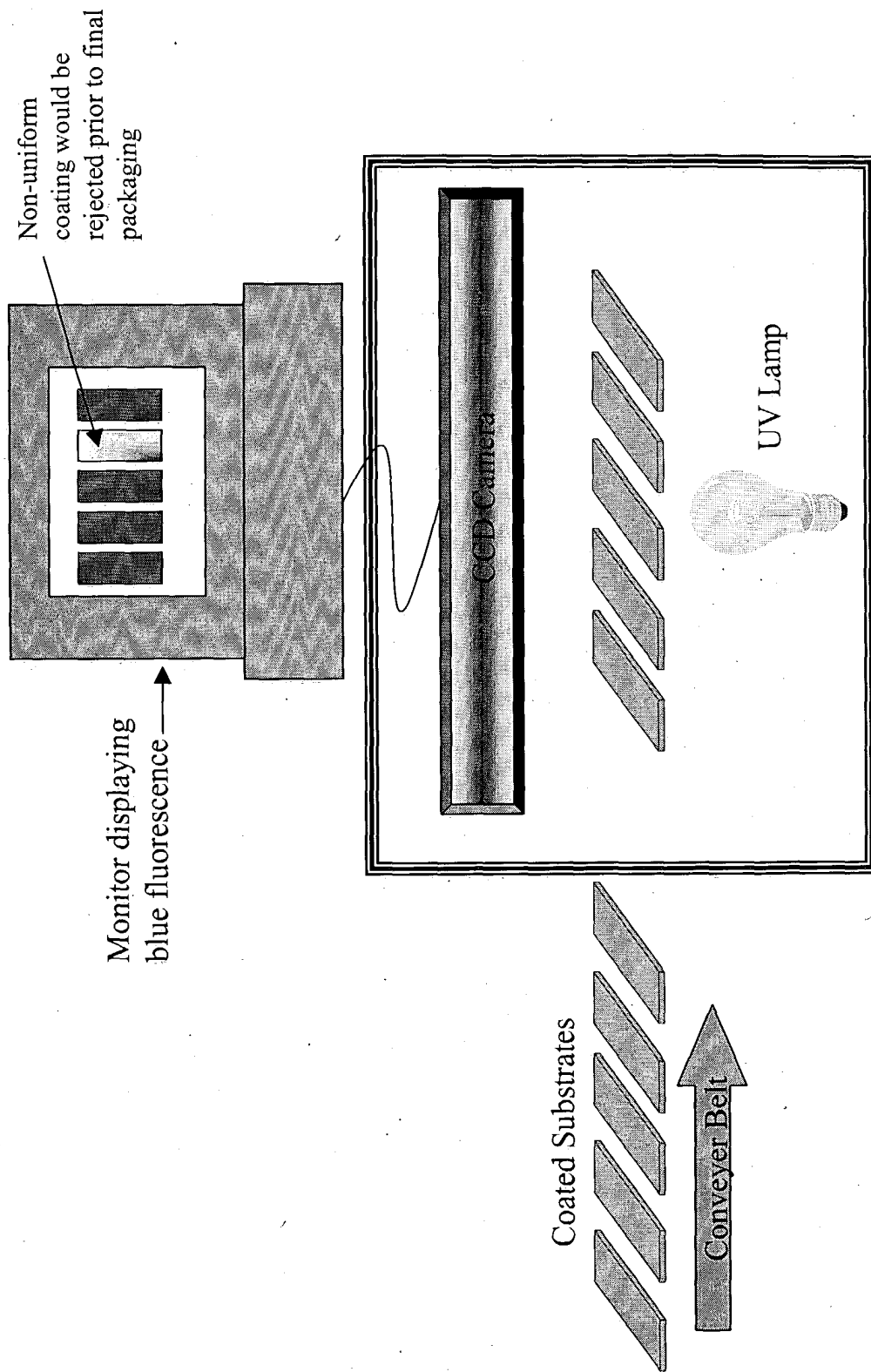


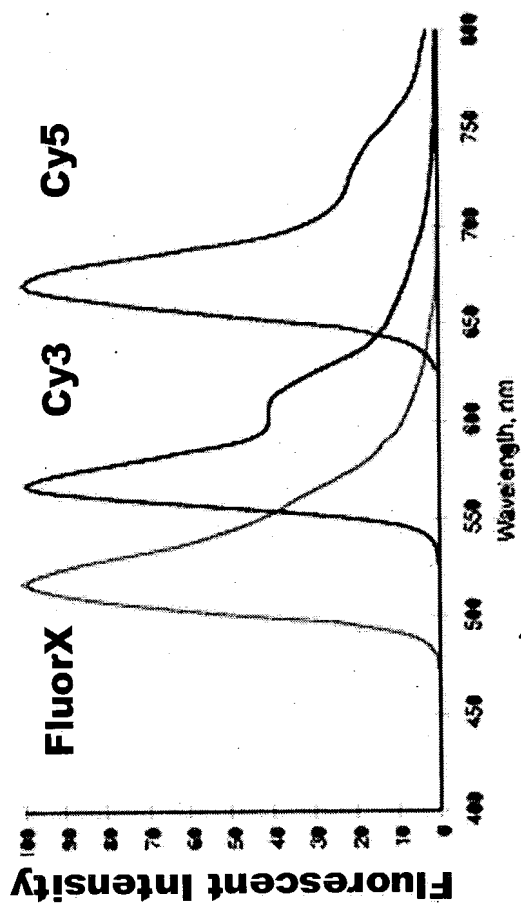
Figure 1:



**Figure 2:**

	Cy3™(nm)	Cy5™(nm)
<b>Excitation</b>	<b>523</b>	<b>635</b>
<b>Emission</b>	<b>540-610</b>	<b>630-710</b>

### Emission Spectra



\* Amersham Life Science, Inc.

Figure 3:

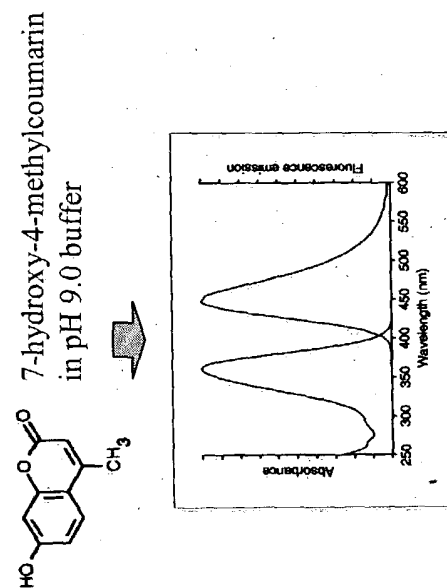
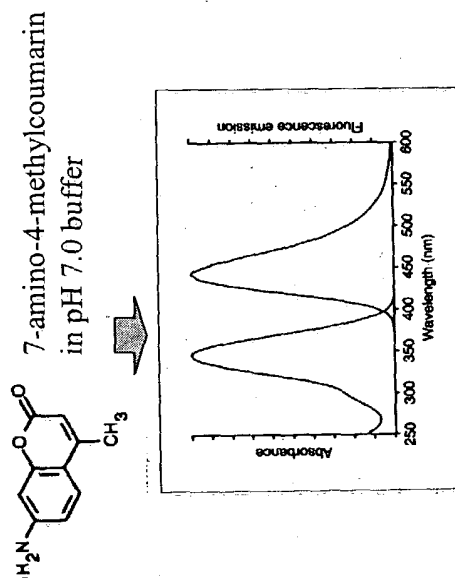
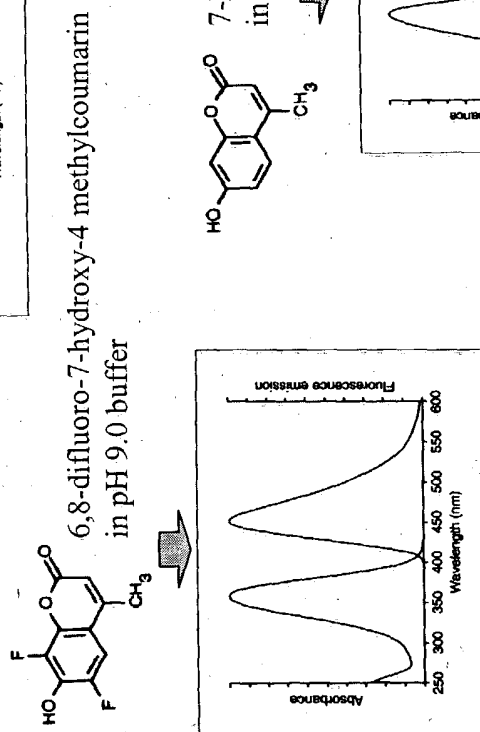
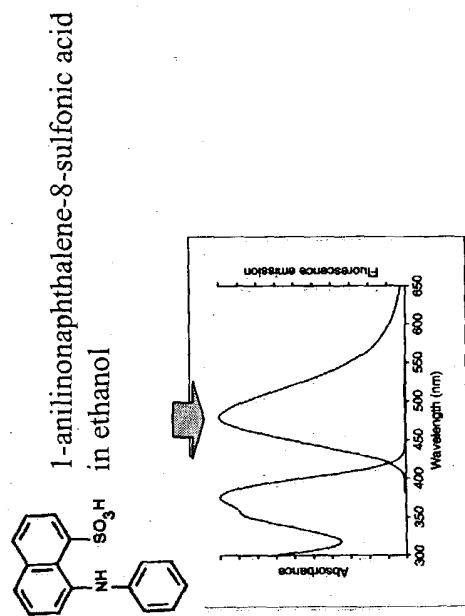
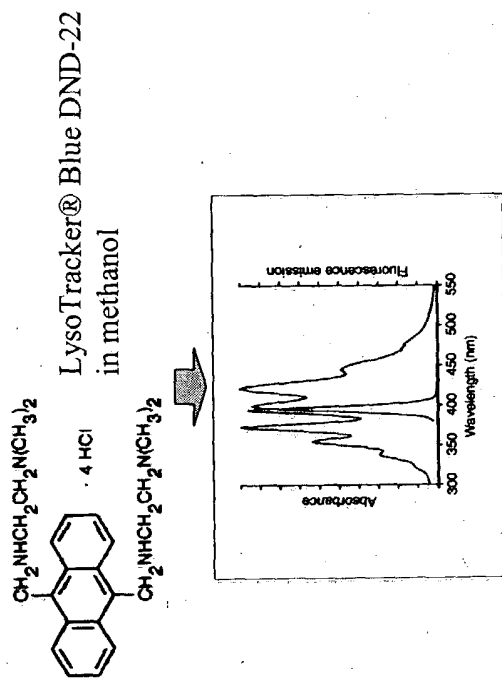
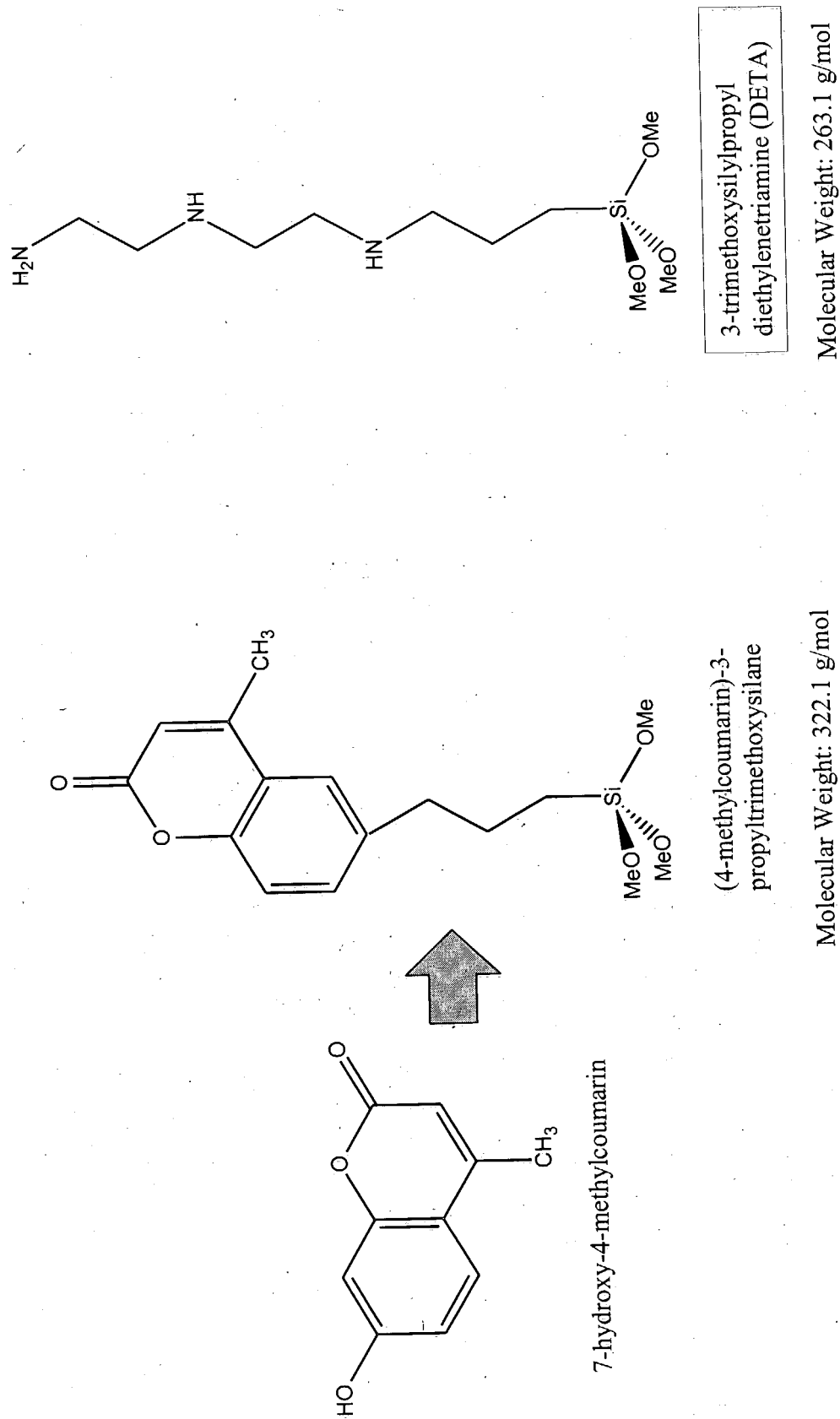


Figure 4



**Figure 5:**

FIGURE 6

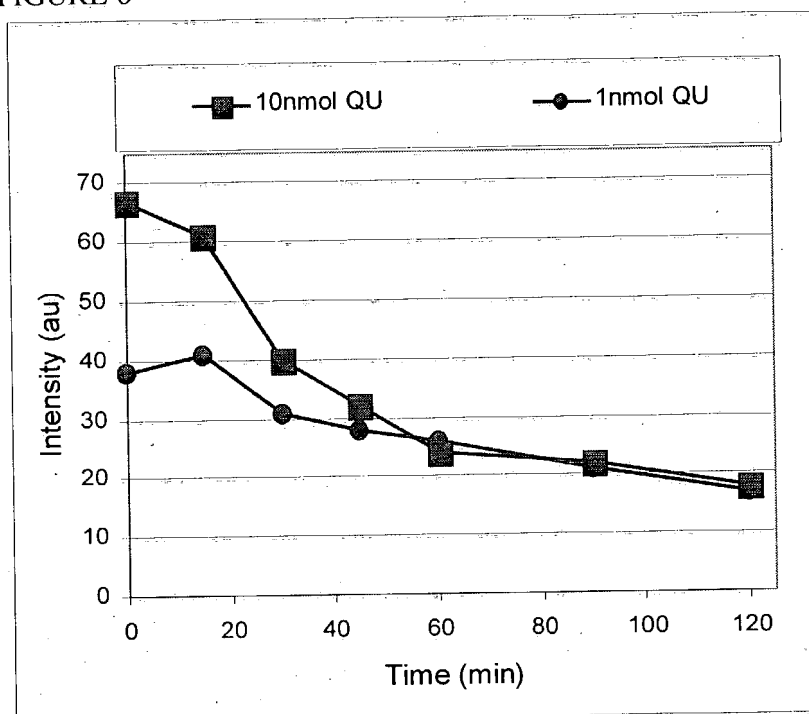
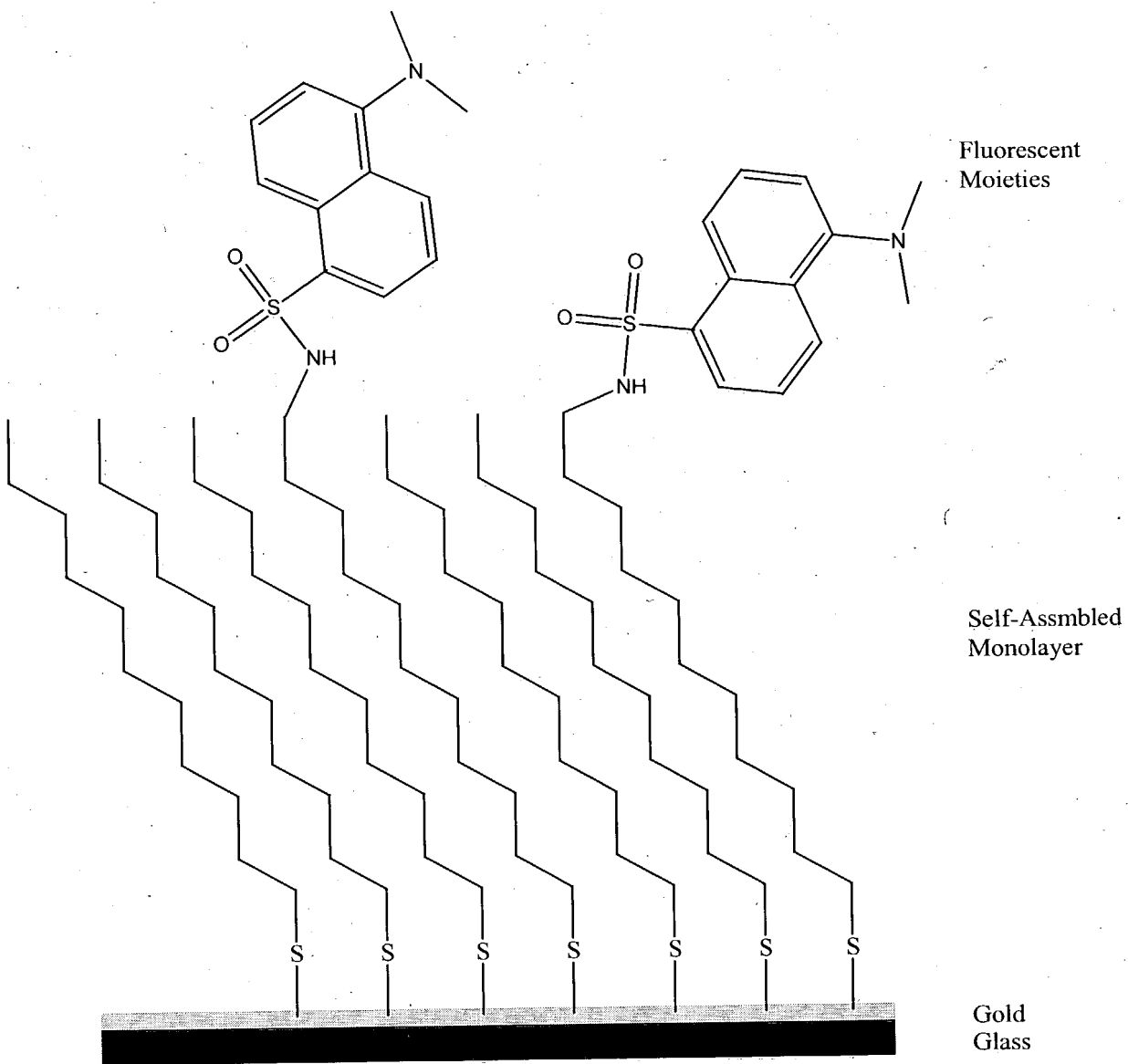
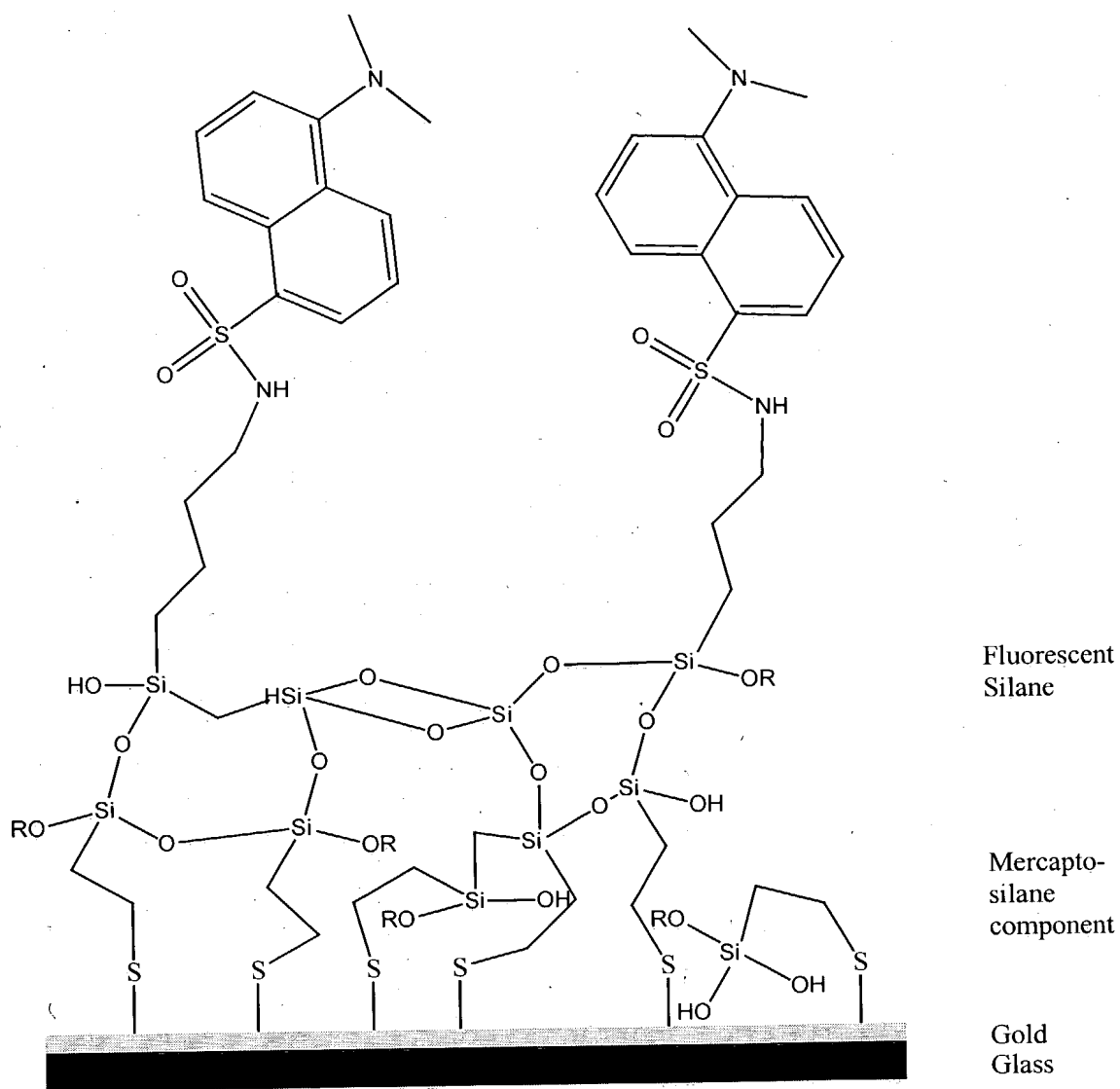


Figure 6:



**Figure 7**



Gold surface + mercaptosilane  $\{\text{Si}(\text{OR})_3(\text{CH}_2)_n\text{SH}\}$  + fluorescent silane  $\{\text{Si}(\text{OR})_3(\text{CH}_2)_n(\text{fluorophore})\}$

**Figure 8**



Figure 9.

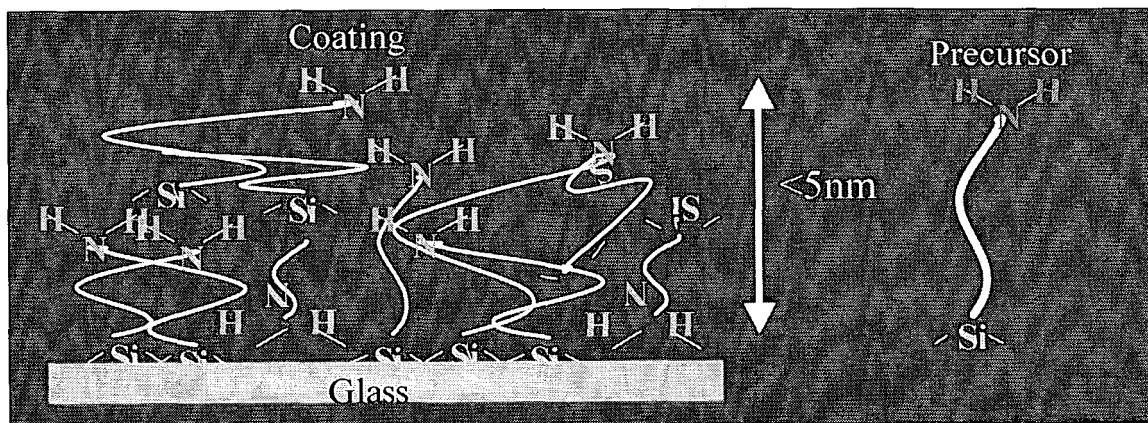


Figure 10

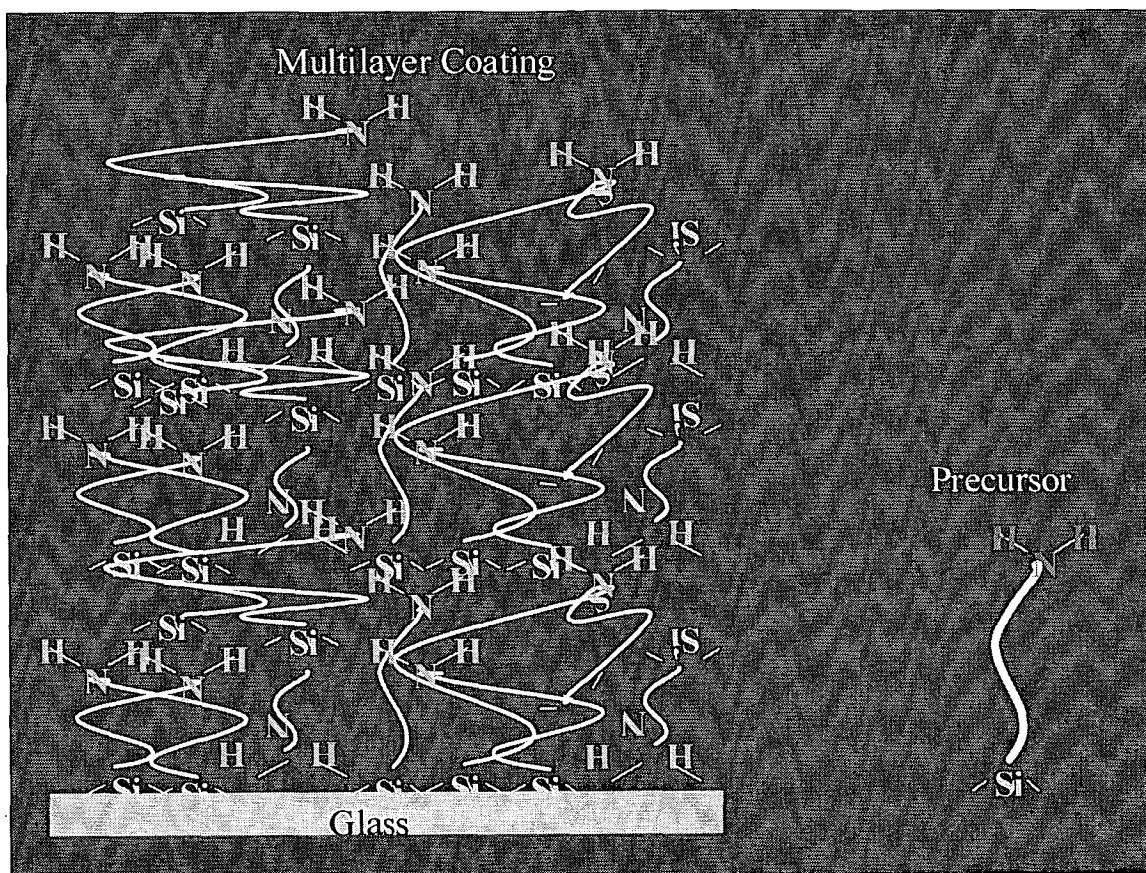
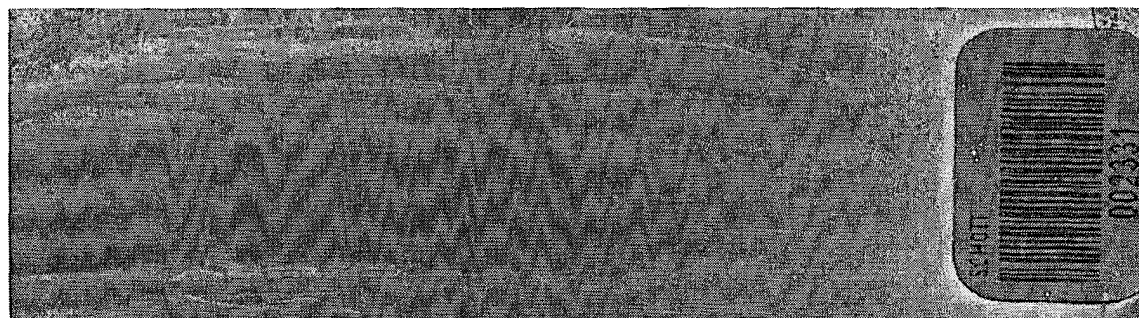
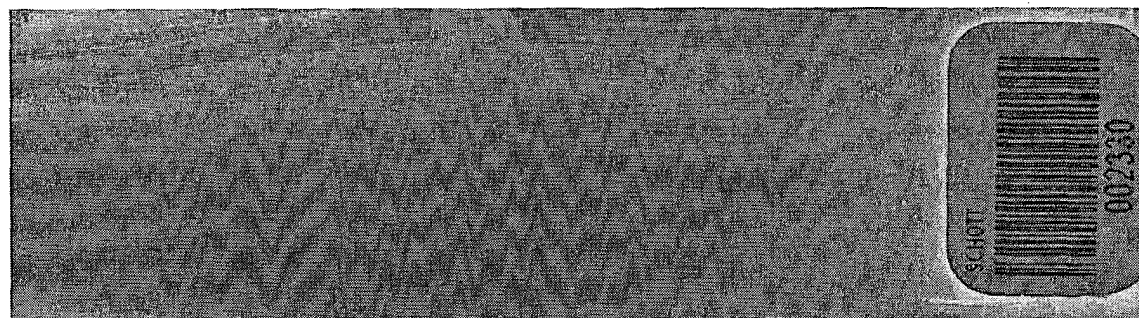


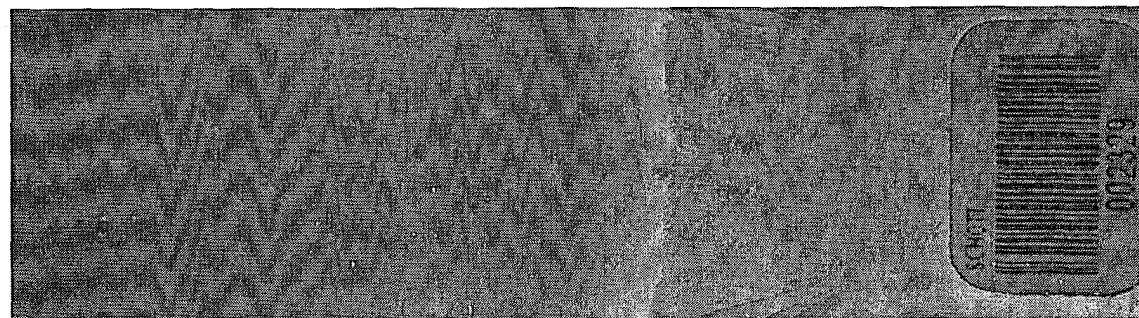
Figure 11: Staining – Vertical vs Horizontal



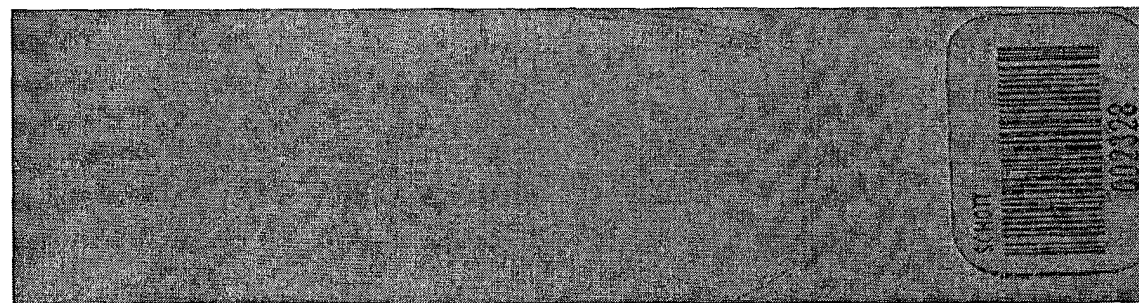
Horizontal



Horizontal



Vertical



Vertical

FIGURE 12

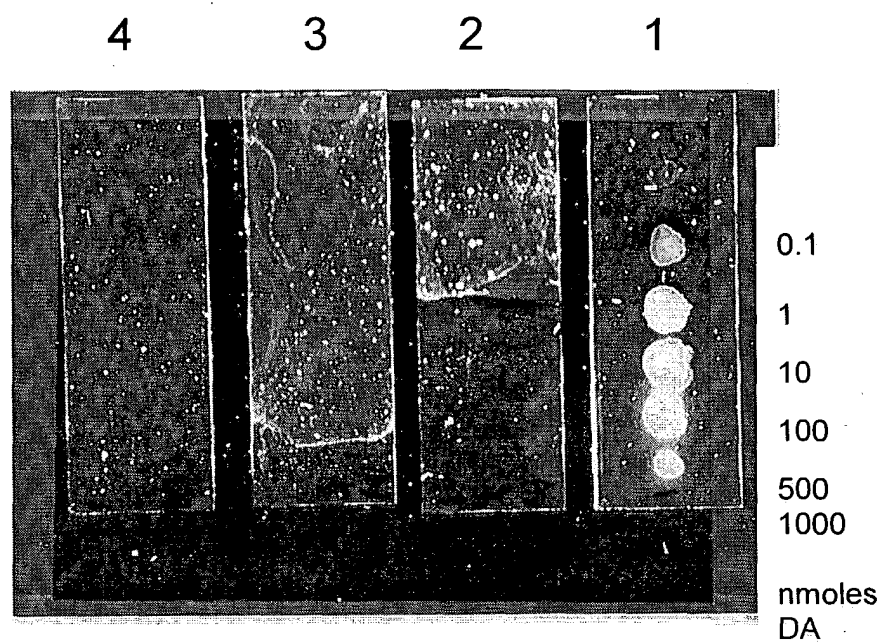


FIGURE 13

The reactive staining of slides coated with aminosilanes

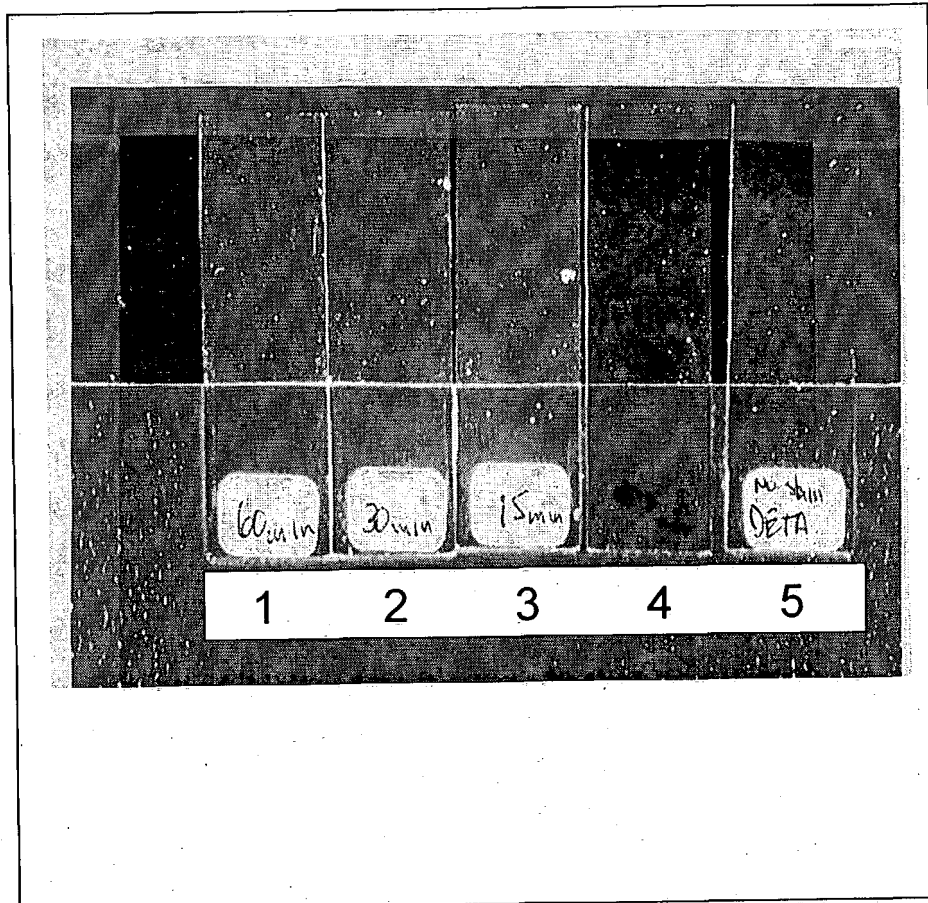


Figure 14:

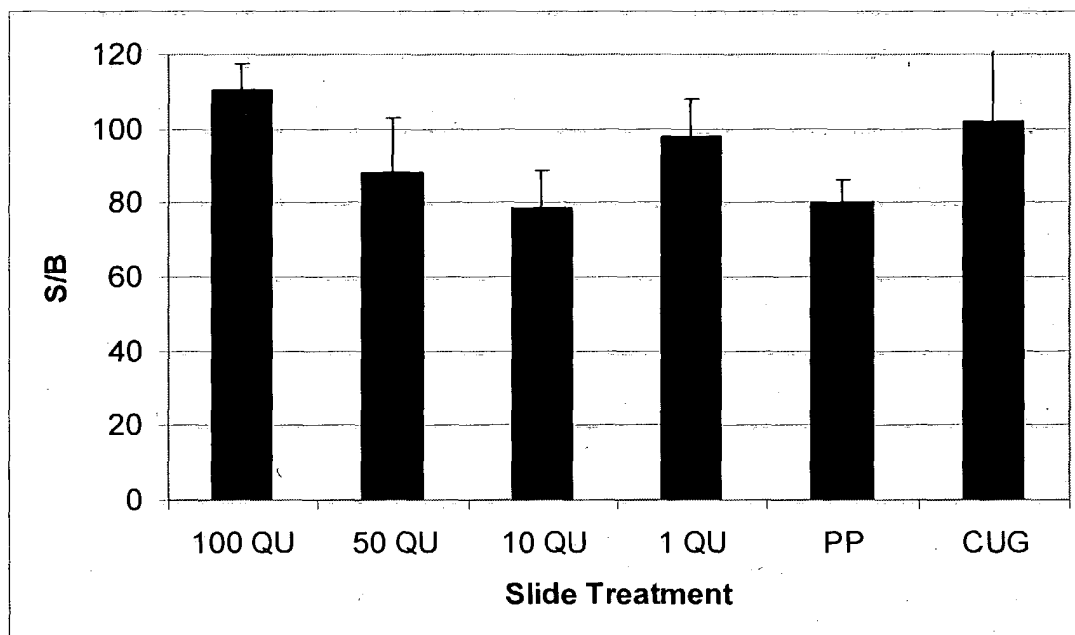
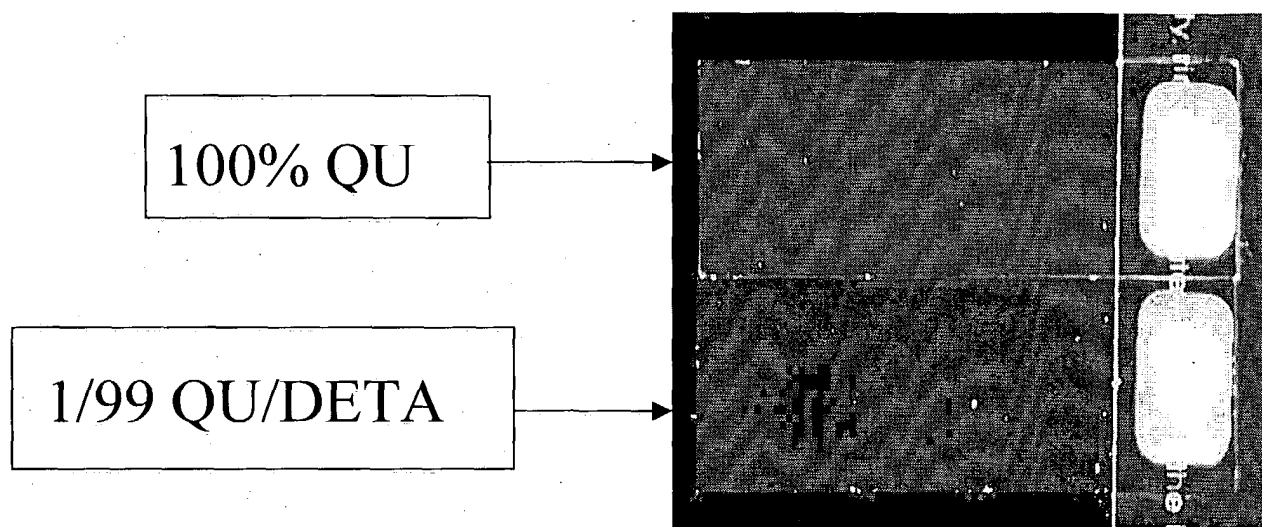
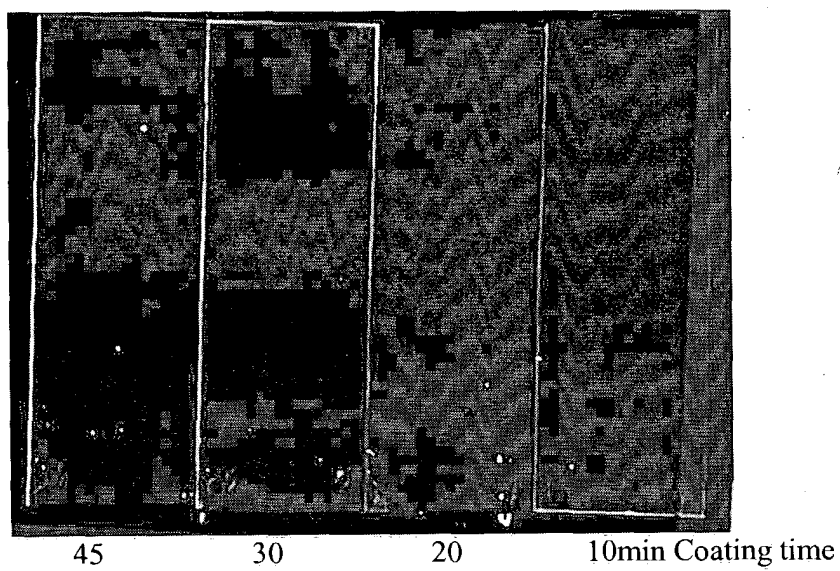
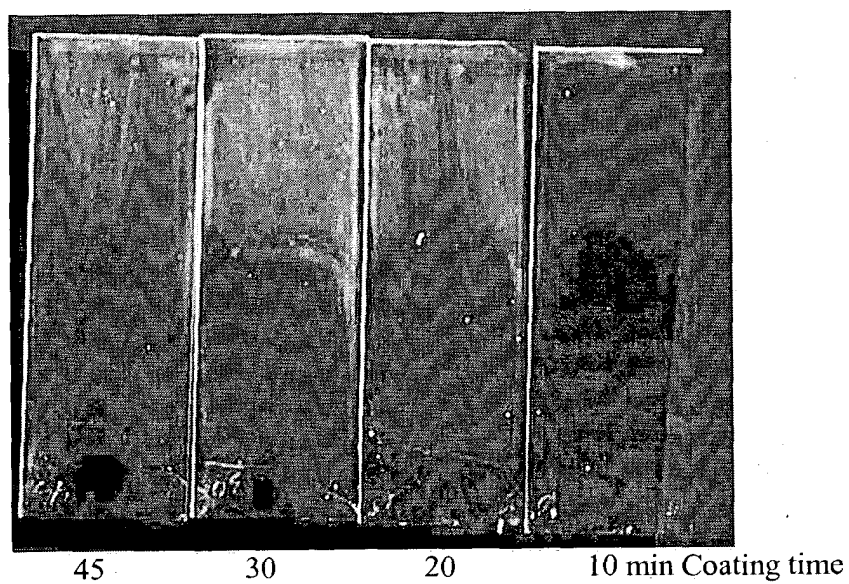




Figure 15



Unstained Hydrogel Covered slides



Half of the hydrogel covered slide was satined

Figure 16a

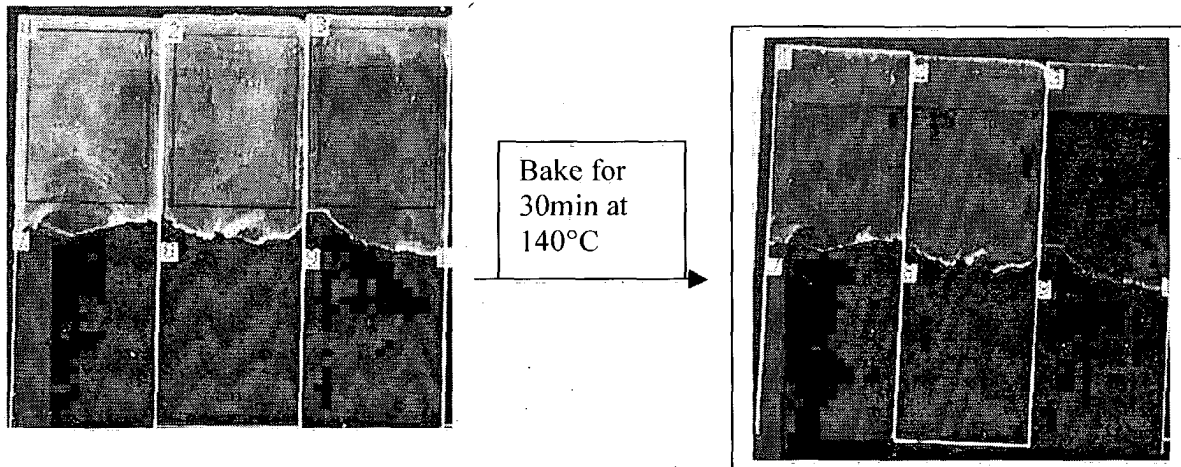


Figure 16B

